

QTP 4N0X1C-7  
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**AEROSPACE MEDICAL SERVICE SPECIALTY - INDEPENDENT  
DUTY MEDICAL TECHNICIAN**

**MEDICAL LABORATORY PROCEDURES**



**TRAINING THE BEST MEDICS FOR THE BEST  
AIR FORCE IN THE WORLD**

*Volume 7*

383rd TRAINING SQUADRON/XUFB  
INDEPENDENT DUTY MEDICAL TECHNICIAN COURSE  
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MEDICAL TECHNICIAN**

*Volume 7 Medical Laboratory Procedures*

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## **INTRODUCTION**

1. This qualification training package (QTP) was developed to enhance on-the-job training for Aerospace Medical Service Specialist, Independent Duty Medical Technician (IDMT), 4N0X1C. It provides the trainer with a breakdown of task performance skills to aid in performance evaluation.
2. Your role as the trainer is to carefully read over each module and identify the QTPs that pertain to the IDMTs in your operational setting. Core tasks are also identified with the number 5 (5) in the Specialty Training Standard (or STS). These core tasks are thought of as *war skills* and have been deemed essential for training even during times of war. You have the flexibility to train these volumes in the order that best suits your needs.
3. When the trainee has been allowed sufficient time for training and is ready for evaluation, follow the evaluation instructions and use the performance checklist as a guide to evaluate performance. Provide feedback to the trainee after each evaluation. Document progress on the AF Form 1098. Initial certification is also signed off in the STS. If a trainee does not successfully complete the QTP, provide feedback and counsel the trainee on their weak areas. Allow adequate preparation time before conducting a retest.
4. The QTPs are a tool for assessing/certifying the IDMT each time they arrive at a new duty station and for standardizing annual refresher training. Our goal has been to publish a useable document for both the trainee and trainer. We value your first hand expertise and solicit your feedback on how we can improve our product. Direct all inquiries to:

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***PERFORM URINALYSIS  
[MACROSCOPIC ONLY]***

**SUBJECT AREA:** Independent Duty Medical Technician (IDMT)

**TASK NAMES:** Medical Laboratory Procedures; Perform Macro Urinalysis

**CFETP/STS REFERENCES:** 18.5.1

**EQUIPMENT REQUIRED:**

1. Urine dipstick
2. Urine sample
3. Gloves

**TRAINING REFERENCE:** 10

**REMARKS/NOTES:** Failure to follow universal precautions is a “No Go” behavior and performance test must be stopped.

**OBJECTIVE:** Given the necessary laboratory equipment and sample of pre-tested urine, perform a urinalysis with at least 90% accuracy in comparison with control.

**EVALUATION INSTRUCTIONS:** After the trainee has received instruction allow sufficient practice on each part of the task.

<p><b>NOTE:</b> The evaluator will <b>STOP</b> the procedure immediately and correct the member if performance is detrimental to safety.</p>
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**STEPS IN TASK PERFORMANCE:**

1. Identify indications and need for test.
2. Assemble equipment
3. Don gloves and maintain universal precautions
4. Obtain fresh urine sample
5. Perform macroscopic urinalysis

**ATTACHMENT:** Performance checklist.

PERFORMANCE ITEM	SAT	UNSAT
<b>PERFORM URINALYSIS [MACROSCOPIC ONLY]</b>		
1. Assemble equipment		
a. Urine dipstick		
b. Gloves		
2. Don gloves and maintain universal precautions		
3. Obtain fresh urine sample		
4. Perform macroscopic urinalysis		
a. Determine color and appearance		
b. Use 9 or 10 SG urine dipstick		
c. Dip into urine		
d. Read result		
(1) Wait prescribed time for each macroscopic item tested		
(2) Read and document result		
5. Document macroscopic results		
<b>***CRITICAL CRITERIA</b>		
• Failure to demonstrate universal precautions		
• Any unsafe practice that could harm self or coworker		
<b>FINAL RESULT:</b>		

## AEROSPACE MEDICAL SERVICE SPECIALTY – IDMT

## BIBLIOGRAPHY AND OTHER REFERENCES

1. *Advanced Cardiac Life Support Provider Manual*. Current edition. American Heart Association.
2. *Advanced Trauma Life Support Student Manual*. 6<sup>th</sup> ed. Chicago, IL. 1997. American College of Surgeons.
3. AFI 36-2104, Nuclear Weapons Personnel Reliability Program, 29 May 2003
4. AFI 48-102, Medical Entomology Program, 6 December 1993
5. AFI 48-116, Food Safety Program, 19 July 1994
6. AFI 48-117, Public Facility Sanitation, 6 May 1994
7. Bickley LS. *Bates Guide to Physical Examination and History Taking*. Current edition, Philadelphia, PA: JB Lippincott, Williams and Wilkins.
8. Caroline NL. *Emergency Care in the Streets*. 5<sup>th</sup> ed. (pp 226-245; 953-1014). New York, NY: Little, Brown and Company, 1995.
9. Crowley SR. *Sexual Assault: The Medical-Legal Examination*. Stamford, CT: Appleton & Lange, 1999.
10. McBride LJ. *Textbook of Urinalysis and Body Fluids: A Clinical Approach*. Upper Saddle River, NJ: Lippincott, Williams and Wilkins. 1998.
11. Pfenninger JL, Fowler GC. *Procedures for Primary Care Physicians*. St. Louis, MO: Mosby, 1994.
12. Phillips LD. *Manual of I.V. Therapeutics*. 3<sup>rd</sup> ed. FA Davis Company, 2001.
13. Stewart CE. *Advanced Airway Management*. Upper Saddle River, NJ: Pearson Education. Brady, 2002.